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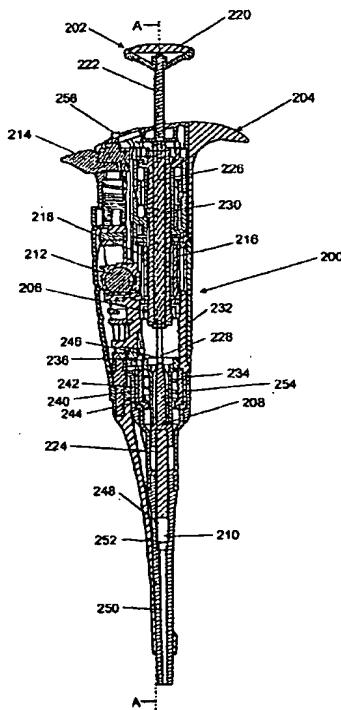
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(54) Title: SYSTEM AND METHOD FOR PRECISE LIQUID MEASUREMENT IN A LIQUID SAMPLING PIPETTE



(57) **Abstract:** A device and method are provided for correcting a requested volume of liquid to aspirate/dispense by a liquid handling pipette based on the requested volume and/or a physical condition at the pipette. The pipette includes a piston drive mechanism configured to contact a piston assembly and move a piston rod of the piston assembly within a tip holder thereby causing regulation of an amount of liquid in the tip holder. The method includes selecting a requested volume at a pipette, the requested volume representing the amount of liquid to regulate, calculating a correction volume using a volume characterization, wherein the volume characterization characterizes a difference in the amount of the liquid regulated in the tip holder as a function of the requested volume, and displaying the correction volume to a user of the pipette thereby regulating the requested volume of liquid in the tip holder. The volume characterization is determined using a calibration process.

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